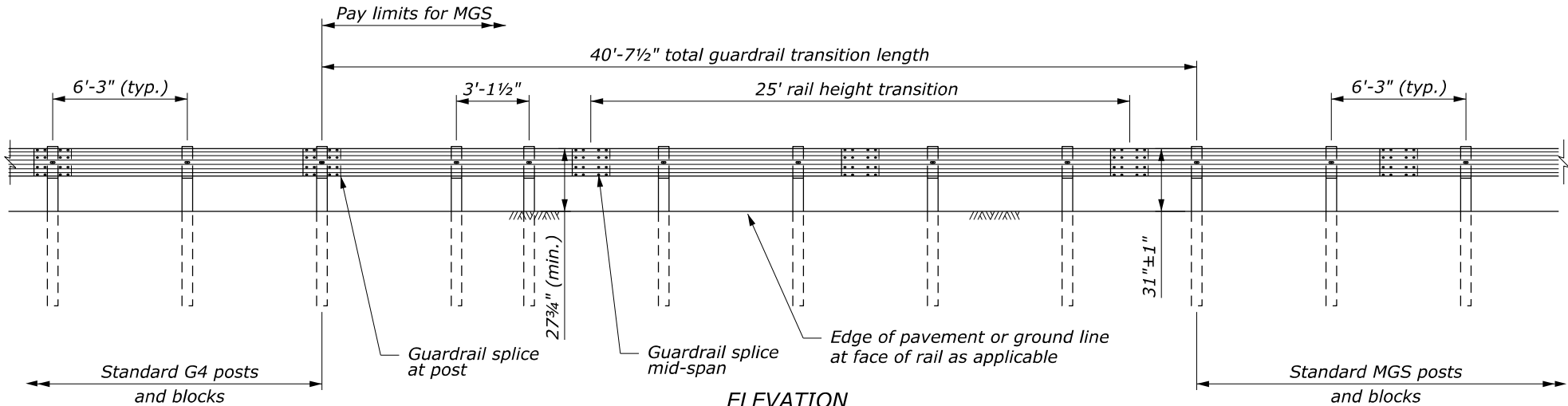
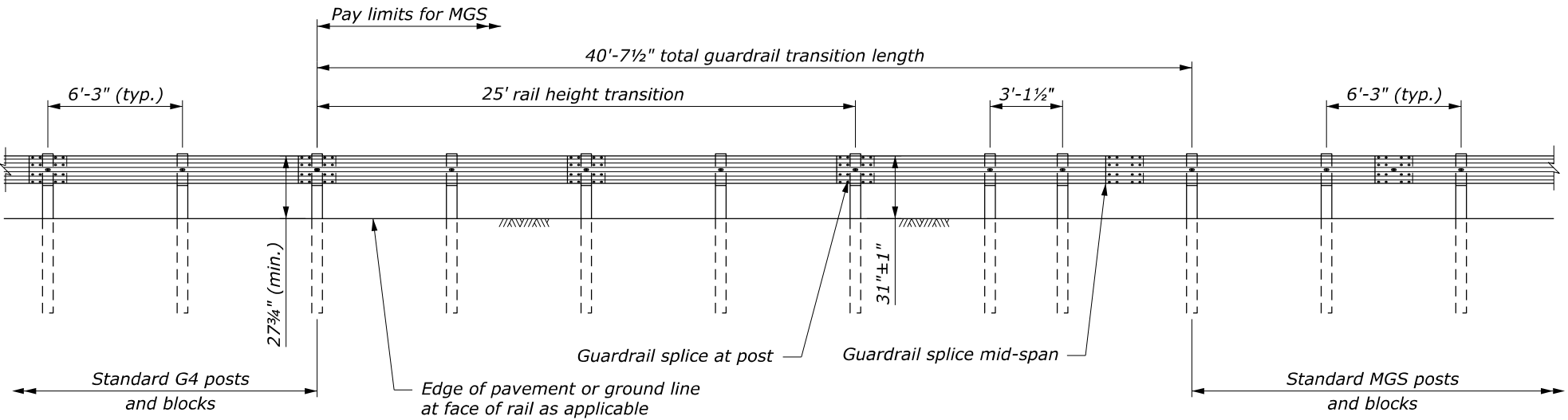
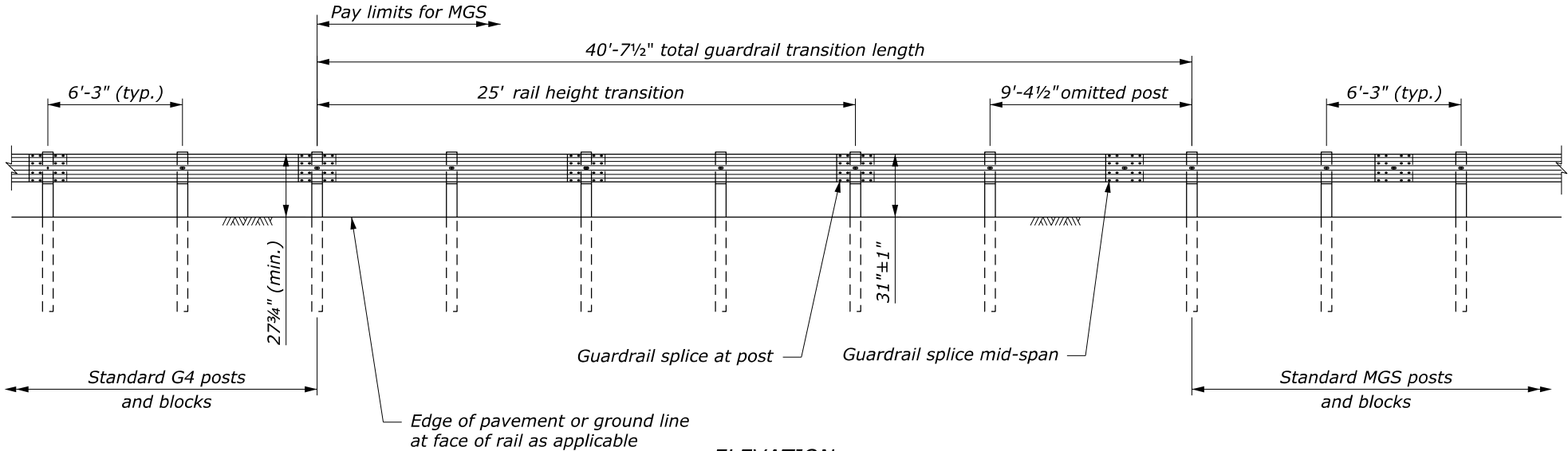


STATE	PROJECT	SHEET NUMBER
ST	PROJECT NUMBER PROJECT NAME	

NOTE:

1. Unless otherwise specified, use any of the options shown as required to meet project-specific conditions.
2. Use consistent guardrail post material throughout the length of the guardrail run.
3. If applicable, conversion of the 8-inch wide G4 blackout to the 12-inch wide MGS blackout may occur anywhere within the length of the G4 to MGS transition shown on this sheet.
4. See Details C617-10, C617-11, C617-31, or C617-32 for other assembly details.



NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CFLHD DETAIL
**G4 TO MGS
W-BEAM GUARDRAIL
TRANSITION**

DETAIL APPROVED FOR USE 02/2019
REVISED: 09/2021

DETAIL
C617-39

Notes to the Designer

Updated September 2021

G4 to MGS W-Beam Guardrail Transition

General Information

- All graphics and text will be in the sheet model.

- **Appropriate Applications.**

This drawing is used to transition the rail height from G4 (27¼" to 29" mounting height) to MGS (31" mounting height) and to transition the location of the splice (G4 has the splice at the post, and MGS has the splice mid-span)

Crash Test Criteria	None
Test Level	None
FHWA Eligibility Letter	None
TF 13 Designator	Not posted
Crash Test Report	MwRSF Report No. TRP-03-335-17

- **Limitations.**

No crash testing has been performed for this installation. The drawing is based on recommendations from MwRSF.

- **Layout Guidance.**

See the FLH *Midwest Guardrail System FAQ* document for more information.

Applicable SCRs

- Section 563 (if weathering agent applied to galvanized elements)
- Section 617
- Section 710
- Section 725 (if weathering agent applied to galvanized elements)

Typical Pay Item Used

- 61701-4500 Guardrail system MGS, type 2, class A steel posts [LNFT] for galvanized steel, steel post
 - 61701-4550 Guardrail system MGS, type 4, class B steel posts [LNFT] for weathering steel, wood post
 - 61701-5100 Guardrail system MGS, type 4, class B steel posts [LNFT] for weathering steel, steel post
 - 61701-5150 Guardrail system MGS, type 4, class B wood posts [LNFT] for weathering steel, wood post
- Note: Use the same pay item as roadside rail.

Updates

- **February 2019**
 - New Detail drawing
- **September 2021**
 - Updated for OpenRoads Designer